

SIKAP+ Project: An Asi@Connect Funded Project in the

# Promotion of Space Research and Education Collaboration for Societal Benefit

**SHIELO N. MUTA**

Chief Science Research Specialist  
Space Information Infrastructure Bureau  
Philippine Space Agency

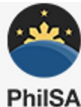
Space Education for All Working  
Group  
Hanoi Vietnam, November 16, 2022



**APRSAF**  
ASIA-PACIFIC REGIONAL  
SPACE AGENCY FORUM



Co-funded by  
the European Union



This event has received funding from  
Asi@Connect project which is the European  
Union co-funding project under Grant contract  
ACA 2016-376-562.

**Objective** To promote further productive utilization of National Research and Education Networks (NREN) through a novel collaboration aimed at resource-sharing and capability-building in Earth Observation (EO) infrastructure and applications, especially among emerging space actors and new space entrants.



**Philippine Space  
Agency**



**Asian Microsatellite Consortium  
and BIRDS Network**

## **Space Infrastructure, Know-How and Applications Acceleration through Promotion and Training**

*Asi@Connect Funded Project WP5 topic : Promoting Asi@Connect-enabled Research  
and Education Collaboration for Societal Benefit*



Co-funded by  
the European Union



**PhilSA**



**DOST-ASTI**



UP ELECTRICAL  
AND ELECTRONICS  
ENGINEERING  
INSTITUTE

This event has received funding from  
Asi@Connect project which is the European  
Union co-funding project under Grant contract  
ACA 2016-376-562.

Only REN in the Philippines, which interconnects and catalyzes research among academic, government, and research institutions.

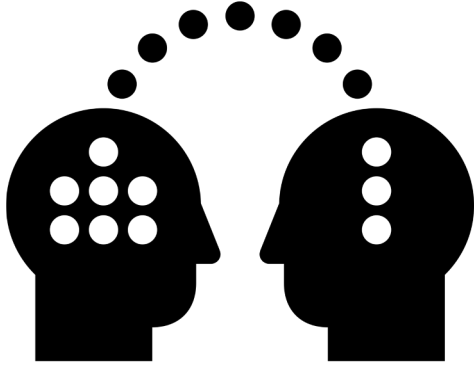


**Philippine Research ,  
Education and  
Government Information  
Network**

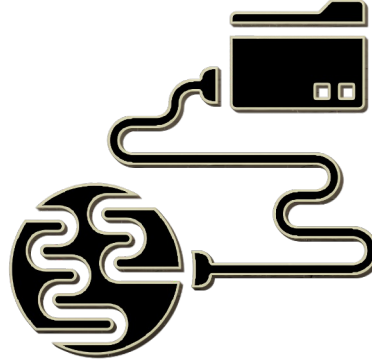
**PREGINET**

**Implemented by the Department of Science and  
Technology**

# Specific Objectives



Promote Exchange of  
Know-How and Best  
Practices

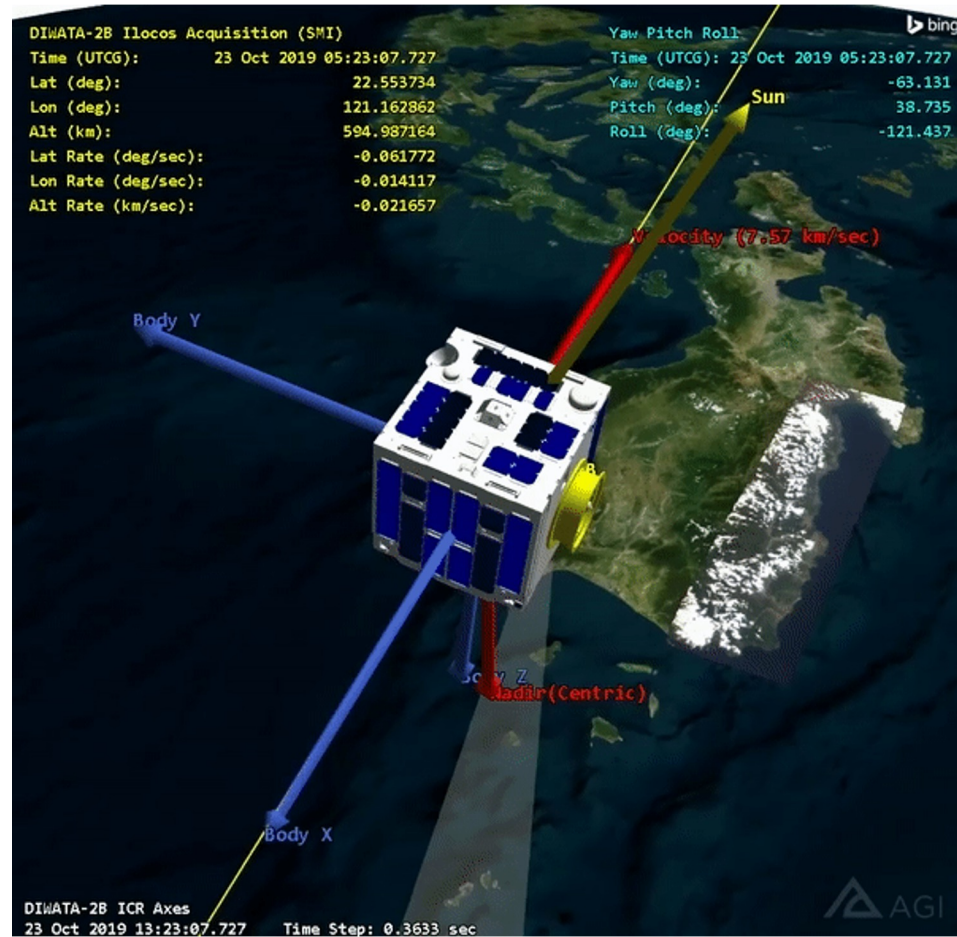
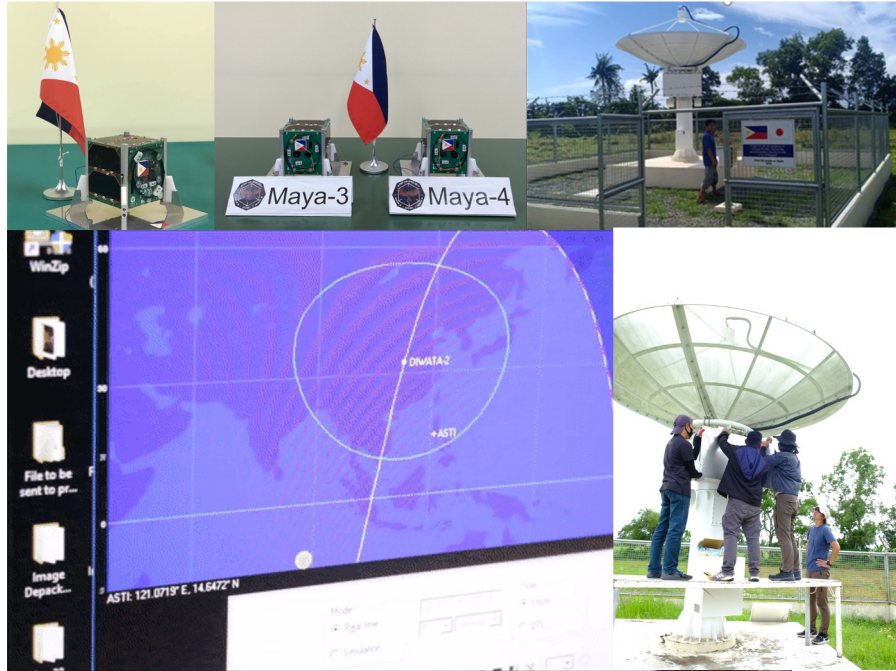


Facilitate Resource  
Sharing for Scientific  
Studies



Advance Space  
Situational Awareness  
and Sustainability of  
Outer Space Activities

# Module 1. Ground and Amateur Radio Operation for Satellite Communication Administration (GRSA)





# GRSA Training Session

#JoinTheMission  
#3YearsOfPhilSA



**SIKAP+**  
Space Infrastructure, Know-How, and Applications  
Acceleration through Promotion and Training

presents

**Ground and Amateur Radio Operations  
for Satellite Communication  
Training Sessions**

18 and 31 August 2022  
6, 7-12 September 2022 (Asynchronous)  
13, 22, and 23 September 2022

9:00 am to 3:00 pm

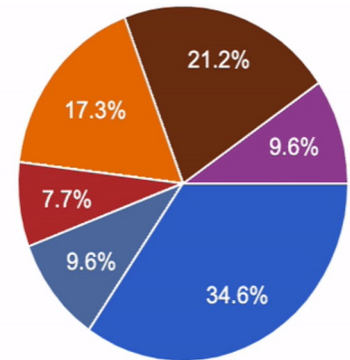
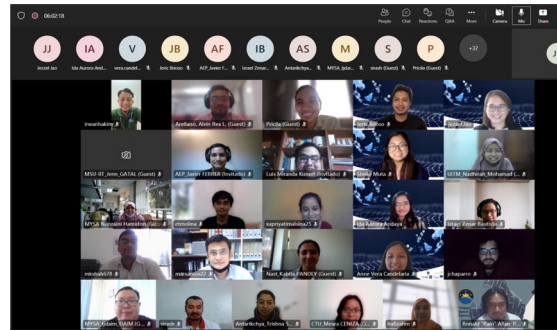


Scan here to register

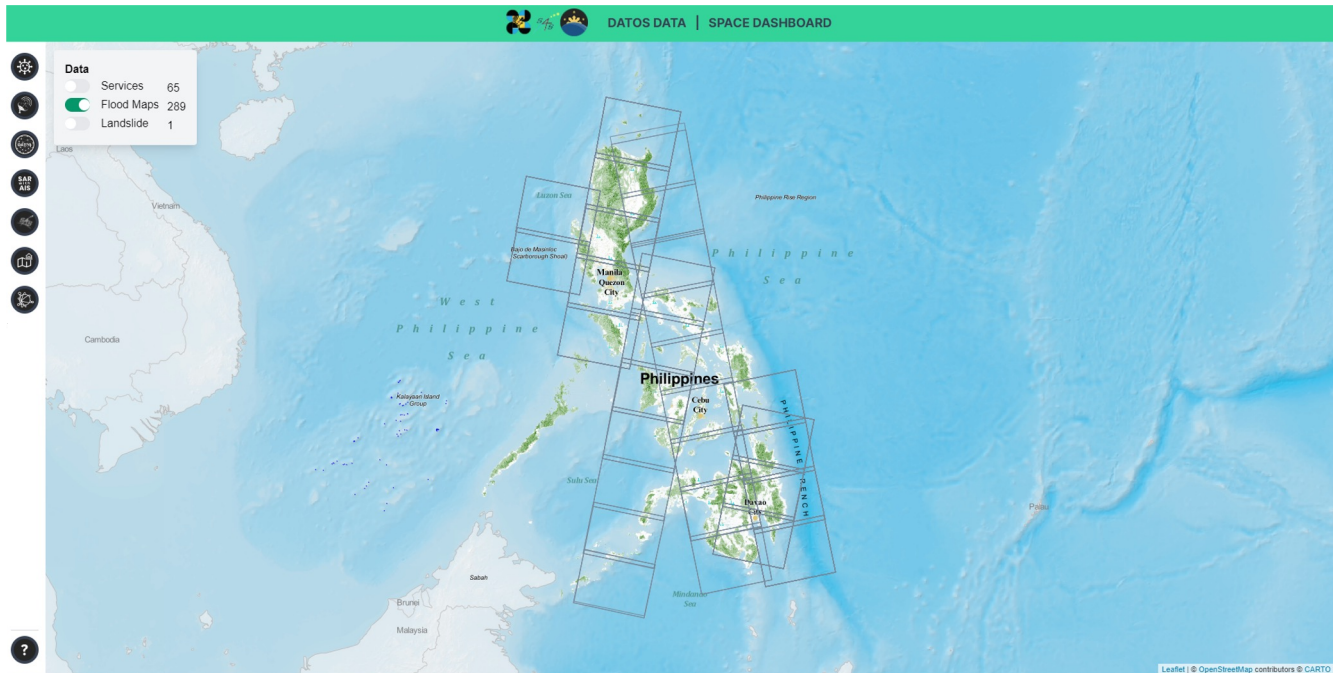
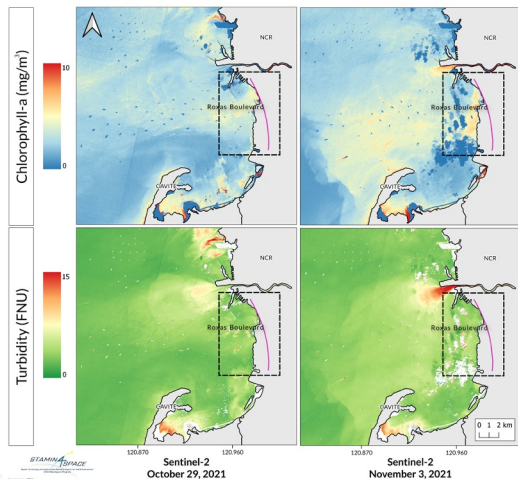
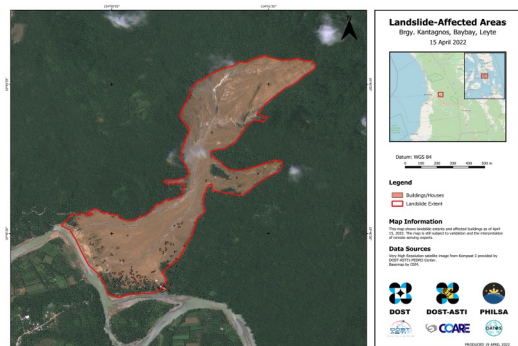
**Syllabus: 3 Courses, 13 Sessions**

**Participants: 6 Countries, 5 Local and 17 International Institutions**

<b>Participants:</b>	Satellite Ground Operators, Amateur Radio Operators
<b>Output</b>	Community of ground and amateur radio operators, shared best practices, enhancement of knowledge and capacity and future partnerships



# Module 2. Trainings for Satellite Data Processing



## Space Data Dashboard

## Module 2. Trainings for Satellite Data Processing



### 2nd Training Session: “Utilization and Mobilization of Space Data for Environmental Applications”

Target	Students and the remote sensing community
Participants:	
Mode	Hybrid
Expected Outcomes:	By the end of this training program, the participants are expected to be equipped with the knowledge and skills necessary in utilization of EO space datasets and facilitate exchange of resources and techniques in remote sensing

**Schedule** January - February 2023



## Module 3. Advancement of Space Situational Awareness and Sustainability of Outer Space Activities in the Philippines



- Lectures and workshops about space situational awareness and the sustainability of outer space activities.
- Promote cooperation through know-how sharing, motivated by a shared responsibility of promoting peaceful and responsible uses of space.

# Module 3. Advancement of Space Situational Awareness and Sustainability of Outer Space Activities in the Philippines



**Target**

**Participants:**

**Mode**

**Expected**

**Outcomes:**

PhilSA and other interested participants

Physical

By the end of this training program, the participants are expected to be equipped with the knowledge and skills in

- space debris mitigation and detection;
- regulation and standards of safety for rockets and space modules;
- launch and in-orbit collision risk;
- space traffic management;
- prediction of debris re-entry; and
- space weather

**Schedule**

February-May 2023

# Visibility and Sustainability

NEWS / NATIONAL / PhilSA launches SIKAP+, eyes expansion of space research and cooperation in Asia

SHARE

National, News

## PhilSA launches SIKAP+, eyes expansion of space research and cooperation in Asia

Published June 6, 2022, 2:18 PM

by [Dhel Nazario](#)

The Philippine Space Agency (PhilSA) has launched the Space Infrastructure, Know-How, and Applications Acceleration through Promotion and Training project (SIKAP+) which seeks to enhance scientific cooperation in Asia.



PhilSA commits to forge partnerships beyond the SIKAP+ project that build on top of the project's accomplishments



PhilSA envisions a community among new entrants and existing space actors in the region



Co-funded by  
the European Union



This event has received funding from  
Asi@Connect project which is the European  
Union co-funding project under Grant contract  
ACA 2016-376-562.

## Our Vision

The PhilSA envisions a Filipino nation **bridged, uplifted, and empowered** through the peaceful uses of outer space.

## Our Mission

We will promote and sustain a robust Philippine space ecosystem that **adds and creates value** in space **for and from Filipinos and for the world.**

# Thank you for your attention

**FB:** PhilSpaceAgency

**E:** [info@philsa.gov.ph](mailto:info@philsa.gov.ph)

**IG:** philspaceagency

**TW:** PhilSpaceAgency

**W:** [space.gov.ph/spacedata](http://space.gov.ph/spacedata)

**LI:** philspaceagency